

What is claimed is:

1. In a dental implant system which includes an implant root planted in an alveolar bone, an abutment assembled to the implant root, and a crown assembled to the abutment, the dental implant system in which:

5 the implant root is formed in a cylindrical shape without a longitudinal well in the interior of the same, and comprises a circular rim groove formed along an outer circumferential surface of an upper portion of the same, a post portion having a first taper portion and a second taper portion below the circular rim groove, and a planting portion and multiple protruded circular plate pins
10 below the post portion; and

the abutment is formed in a cylindrical shape having an expanded portion curved at middle of the same, and comprises a well including a taper inner diameter portion in the lower surface of the same, so that the post portion of the implant is inserted into the well, a crown engaging portion including the
15 expanded portion in the upper side, and an engaging well in an upper surface of the engaging portion; and

the crown is engaged to an upper side of the abutment and comprises an abutment post corresponding to the engaging well at a center portion of the interior of the crown.

2. The dental implant system of claim 1, wherein the first taper portion of the implant root and the taper inner diameter portion of the abutment have a taper having an angle of about $0.5^\circ \sim 2.5^\circ$ with respect to a center line of the cylindrical shape.

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3. The dental implant system of claim 1, wherein the center portion in the said post portion of the implant root is formed at an angle of about $10^\circ \sim 20^\circ$ with respect to the center of the planting portion.

10 4. The dental implant system of claim 1, wherein the abutment includes an engaging well which engages the abutment post of the crown in the upper surface of the same.

15 5. The dental implant system of claim 4, wherein the engaging well of the abutment and the outer circumferential surface of the abutment post have a taper of an angle of about $0.5^\circ \sim 2.5^\circ$ with respect to the center line of the cylindrical shape.